

Heavy Ion Accelerator Symposium

Delegate Information Pack

Presented by



Australian
National
University



hias.anu.edu.au

Contents

Foreword	3
Program	4
Organising Committee	4
On-site support	4
Venue.....	4
HIAS Exhibitors	5
Event Registration.....	7
Wi Fi	7
Presenter Guidelines	7
Photography	8
HIA Facility Tour.....	8
Social Program	8
Code of Conduct	9
Safety, Health & Medical	11
Useful Information	11



Foreword

Dear HIAS 2025 Participants,

We are glad to welcome the domestic and international scientific community to Canberra for the Heavy Ion Accelerator Symposium (HIAS 2025) on Fundamental and Applied Science, the ninth in the series.

Scientific Program: The Symposium brings together researchers working with accelerated ion beams and related state-of-the-art instrumentation.

The scientific program will focus on the theme of ‘Nuclear Physics and its Applications’, with subthemes of:

- Nuclear structure
- Nuclear reactions
- Accelerator mass spectrometry
- Nuclear science and society

We are delighted to have received a strong response with more than 90 participants attending the Symposium. The contributions constitute a diverse program with a wide range of topics and short student presentations.

We gratefully acknowledge our host, the Department of Nuclear Physics and Accelerator Applications ([NPAA](#)) at the Research School of Physics, The Australian National University, the sponsor and co-host Heavy Ion Accelerators ([HIA](#)), and [Exhibitor Sponsors](#): Radiation Saunders, Device Technologies and Scitek.

We thank the NPAA and HIA staff who contributed to the symposium planning and organisation.

We wish you a productive and enjoyable time at the Symposium.

The Organising Committee Co-Chairs

Dr AJ Mitchell, aj.mitchell@anu.edu.au

Dr Kaitlin Cook, Kaitlin.Cook@anu.edu.au

Dr Stefan Pavetich, Stefan.Pavetich@anu.edu.au



Program

The conference program, including information about speakers, talk titles and abstracts is available on our [website](#).

This can be accessed by scanning the QR code.



Organising Committee

Mr Aditya Babu, Ms Victoria Bashu, Dr Jacob Beute, Ms Alina Bryleva, Dr Kaitlin Cook, Prof Mahananda Dasgupta, Dr. Jackson Dowie, Dr Michaela Froehlich, Ms Sharon Goh, Prof Greg Lane, Dr Nikolai Lobanov, Mrs Ingrid McCarthy, Dr Tom McGoram, Dr AJ Mitchell, Dr Stefan Pavetich, Ms Alexandra Popko, Ms Petra Rickman, Dr Sandra Saji, Dr Zuzana Slavkovska, A/Prof Steve Tims.

Secretaries:

Ms Petra Rickman petra.rickman@anu.edu.au

Ms Alina Bryleva alina.bryleva@anu.edu.au

Please direct your email enquiries before, during or after the conference to
hias.physics@anu.edu.au.

Information about all the committees contributed to the event planning, organisation and delivery is available on our website – see [Committees](#).

On-site support

Ms Petra Rickman petra.rickman@anu.edu.au / 0419-496-563

Ms Alexandra Popko alexandra.popko@anu.edu.au / 0424-716-121

Ms Alina Bryleva alina.bryleva@anu.edu.au / 0474-348-869

Venue

The Symposium will take place at the Physics Auditorium, level 3, Building # 160, end of Mills Road, Acton, 2601 ([map](#)). Parking on campus could be challenging. If you arrive by car, please allow sufficient time to park and walk to the venue. Please visit [ANU Transport and Parking](#) webpage for more information.



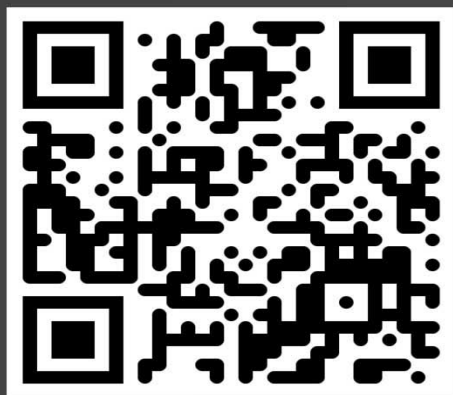
HIAS Exhibitors

We gratefully acknowledge the sponsorship and support provided by our sponsors.

Come to explore the products and services of our exhibitor sponsors. You can meet them Monday to Friday 8-12 September in the foyer of the Research School of Physics.

RADIATION SAUNDERS

**SPECIALISING IN THE SUPPLY OF EQUIPMENT
FOR THE DETECTION, MEASURING AND
ANALYSIS OF IONISING RADIATION.**



- X-RAY QA AND EQUIPMENT SERVICING
- GAMMA RADIATION DETECTION
- ALPHA, BETA AND GAMMA SPECTROSCOPY
- NEUTRON DETECTION
- MAJOR END-USER MARKETS ARE MEDICAL, MINING, ENVIRONMENTAL, EDUCATION, DEFENCE, INDUSTRIAL AND NUCLEAR RESEARCH.



INDEPENDENT X-RAY
QUALITY ASSURANCE

ORTEC® / AMETEK®

BRIDGEPORT
nstruments, LLC



**Nucleon
Power**



DEVICE TECHNOLOGIES

www.device.com.au

Since 1992, Device Technologies has been dedicated to improving patients' lives through providing some of the world's most advanced medical technologies and solutions. Committed to supplying hospitals and healthcare professionals with the finest medical solutions for their patients, we continue to grow, representing over 200 trusted brands, supported by a highly experienced team of over 1,100 dedicated across Australia, New Zealand, and Asia.

Device Technologies ensures that leading technology is delivered into the most capable hands. By nurturing the relationship between manufacturers and healthcare professionals, the organisation ensures readiness, usability, and continued excellence in patient care.



Contact us today!
1800 023 467
email contact@scitek.com.au

CUSTOMISED SOLUTIONS FOR YOUR EXPERIMENTAL PHYSICS NEEDS

HiPace® 80 NEO Turbo Molecular Pump



- Innovative Laser Balancing™ technology, providing the lowest vibration level
- Increased service interval
- Lowest noise emissions on the market.
- Ideal for dependable systems integration
- For installation in any orientation

PFEIFFER VACUUM

HiCube® 80 ECO Turbo Pumping Station



- Ideal adaption to all applications in high and ultra-high vacuum due to a modular design
- Maximum energy savings through intermittent operation of the backing pumps
- Easy data collection & analysis

PFEIFFER VACUUM

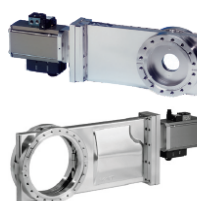
HiScroll® Dry Vacuum Pump



- High comfort, low noise level at 48 db (A), low vibration.
 - Oil-free
- Optimal process
- Lowest operating costs
- Compact design adaptation
- Safe operation

PFEIFFER VACUUM

Vacuum Valves



- Gate Valves
- Accelerator Valves
- Pressure Control

VAT

Diaphragm Pumps



- Backing of wide range turbo pumps
- Patented Turbo-Mode software
- Virtually maintenance free

VACUUBRAND®

adixen
by PFEIFFER VACUUM

ALICAT
SCIENTIFIC

GAMMA
VACUUM

FOM
TECHNOLOGIES

HSR
FL-9496 BALZERS

SENTECH

Park
SYSTEMS

plasma
TECHNOLOGY

Kurt J. Lesker
Company



PHYSICAL
ELECTRONICS
A DIVISION OF ULVACPHI

RAITH
NANOFABRICATION

scientaomicron



Connect with us on [in](#) LinkedIn

www.scitek.com.au

Event Registration

The registration desk will be staffed on Monday and Tuesday mornings in the foyer.

Please pass by to collect your delegate badge and the conference bag which are available for every delegate.

To reduce waste and environmental impact, we would appreciate you returning plastic delegate badges and lanyards to the onsite support team or dropping them at the registration desk at the end of the symposium, so that they can be reused at future events.

Wi Fi

Guest Username: HIAS2025

Guest Password: HIAS2025

Presenter Guidelines

Presentations

- As the Symposium aims to provide a forum to build cross-institutional and cross-disciplinary links, we will have a diverse program of talks and audience. We request you to tailor the introduction of your talk so that it is accessible to a mixed audience of physicists working in the areas of nuclear reactions, nuclear spectroscopy, accelerator mass spectrometry and applied nuclear science.
- Please submit your presentation a day prior to your talk to hias.physics@anu.edu.au or bring it on a USB stick before the start of your session so that it is copied to a desktop presenter computer. **We will not be able to connect your laptop to a screen as it often causes technical issues.**
- Presentations can be given to the conference administration team at registration. Please remain with our team until you have confirmed that the presentation is working. A spare USB stick will be available to transfer your files.

Timing

- You will be provided with a program at registration and it is currently available on the [conference website](#)
- Please be available in the Auditorium at the start of your session.
- Please be mindful about your time allocation and leave time for the members of the audience to ask questions. The time allocations are:
 - Invited talks: 30 minutes: 25-minute talk + 5 minutes for Q&A.
 - Contributed talks: 20 minutes: 17-minute talk + 3 minutes for Q&A.



Conference Proceedings

- We anticipate publishing conference proceedings in EPJ Web of Science (Scopus indexed online journal).
- Publication guidelines will follow by email and will be made available on the HIAS website as well.
- The publishing copyright form will be made available on the HIAS website and will also be available as hard copy during the conference at registration.
- The anticipated deadline for submission of manuscripts is the 31st of October 2025.

Photography

The group photo will be taken at the Auditorium on Monday after the Short Student Presentations, before afternoon tea.

In addition, photography and videography may be taken at the event and your image and voice in any medium for audio and visual reproduction (the Material) may be recorded. By registering for this event, you give a consent to the university to use, publish, share (including with third parties) or broadcast the Material in any medium, for any editorial or commercial purposes connected with the University.

Please let us know if you do not want your image and voice being recorded.

HIA Facility Tour

A tour to the Heavy Ion Accelerator Facility ([HIAF](#)) and the Ion Implantation lab ([iiLab](#)) is offered on Monday, 8 Sep at 5.30 pm. Please RSVP via hias.physics@anu.edu.au if you are interested in attending. Note, both facilities are located just across the road from the Welcome BBQ venue, so you will be able to enjoy both events.

Social Program

To enrich experience of the HIAS2025 attendees, we are offering a number of social events aiming to foster networking and informal communication, and provide cultural context of researcher in Canberra and Australia.

Sunday, 7 September – Welcome Reception, 4-6 pm at the [Parlour](#), 16 Kendall Lane, Acton, 2601 ([map](#)).

Monday, 8 September - Welcome BBQ, 5-7 pm at the Nuclear Physics building 57 Garran Road, Acton, 2601 ([map](#)).

Tuesday, 9 September – Early Career Researchers (ECR) event, 6-8 pm at Kingpin, Canberra Centre Bunda Street (venue [website](#)). Note: this event is delivered to students and researchers within ten years of obtaining their degree or first research-related appointment.



Wednesday 10 September – Excursions, 2-5 pm: [Mount Stromlo Observatory](#), [National Museum of Australia](#), [National Botanic Gardens](#).

Important Information:

- You had expressed your choice of excursion (or opt-out from it) when you registered online. If you would like to change your preference, please contact us as soon as possible.
- Excursions will start from the Physics building foyer at 2 pm. We kindly request your cooperation to be at the foyer by 1.55 pm so that we can check you in and provide necessary information.
- Tours to the National Botanic Gardens and the National Museum of Australia will involve an estimated walking distance of around 4-5 km (including getting to a venue, an excursion time, and a walk back). If you have any mobility requirements (including the use of a wheelchair, foot injury, etc.) please contact us via hias.physics@anu.edu.au so that we can assist you with transportation. We appreciate your advanced notice.
- Attendees will be offered a boxed afternoon tea to take with them on a tour. Please collect it from the foyer. There are cafes in the National Botanic Gardens (open until 3.30 pm) and the National Museum of Australia (open until 4.30 pm) if you wish to purchase extra drink and food.
- The tour to the Mount Stromlo Observatory is by chartered bus. On your way back to Canberra, people will be dropped off at the Liversidge Court Apartments ([map](#)), a short walk from hotels in Civic and New Acton.

Thursday 11 September – Conference Dinner, 7- 10 pm at the [Shine Dome](#), 15 Gordon St, Acton 2601 ([map](#))

- Car park boom gate will be raised from 5pm and the car park is accessed via 9 Gordon Street, Acton, 2601.
- Venue doors will open at 6:45 pm.
- Free seating.
- There is no formal dress code for the Conference Dinner, but we do ask you to be respectful of others who are attending the event.

Code of Conduct

The Heavy Ion Accelerator Symposium is dedicated to providing a positive respectful conference experience for everyone regardless of their gender, gender identity and expression, sexual orientation, disability, physical appearance, body size, race, age, socio-economic background or religion. We want to provide an environment that is free from



discrimination, vilification, harassment, bullying and victimisation and characterised by respect.

Harassment is unlawful under both federal and all Australian state anti-discrimination laws, and as such, people suspected of such misconduct may be reported to the relevant authorities.

Adherence to this Code of Conduct is a requirement for all conference participants and covers all aspects of this event, including conference sessions and breaks, all social events and all communication, including that via email, social media, official and unofficial channels.

Therefore, we do not tolerate unlawful discrimination and harassment of Symposium participants in any form.

Unacceptable behaviour includes, but is not limited to:

- Offensive verbal or written comments (related to gender, gender identity and expression sexual orientation, disability, physical appearance, body size, race, religion).
- Sexual images in public spaces.
- Deliberate intimidation.
- Stalking and / or following.
- Unwanted photography or recording (if you are asked to stop photographing or recording someone, please do so; if someone indicates that they do not want to be photographed or recorded, do not record or photograph them).
- Sustained disruption of talks or other events.
- Inappropriate and / or unwanted physical contact.
- Unwelcome sexual attention, which can include inappropriate questions of a sexual nature, asking for sexual favours or repeatedly asking for dates or contact information, harassment by electronic (and social) media.

All attendees are subject to this Code of Conduct policy, as well as should comply with the [ANU Code of Conduct](#).

Participants asked to stop behaviour considered as unlawful or harassing are expected to comply immediately. If a participant engages in harassing behaviour, the Symposium organisers may take any action they deem appropriate, including warning the offender, cutting short their presentation or expulsion from the conference.

If you are being harassed, notice that someone else is being harassed, or have another concern, please contact one of the conference organisers immediately or have a confidential discussion with the Organising Committee Co-Chairs.



The organisers can contact ANU Security, help participants to contact police, provide escorts, or otherwise assist anyone experiencing harassment to feel safe for the duration of the Symposium.

We value your attendance and appreciate your active support in making our Symposium inclusive.

Safety, Health & Medical

In case of minor accidents, please seek help from the event organisers.

In case of an emergency dial 000.

The **ANU Medical Centre** is located on level 2 of the Health and Wellbeing Centre (Building 156) in Kambriv ([map](#)). The Centre is open Monday to Friday 8.30 am to 5.00 pm. Bookings can be made over the phone +61 (0)2 6125 2211, or via the [HotDoc booking app](#). Fees apply. More information can be found on ANU [website](#).

Please also notify a member of the organising committee via hias.physics@anu.edu.au about any accidents, when you are safe to do so. Your organisation may also require an incident report.

ANU Security: +61 (0)2 6125 2249. If you feel unsafe while on campus, you can request a Unisafe escort (dial +61 (0)2 6125 2249).

ACT police assistance line: 131 444 (Call this number if you require police assistance, but there is no immediate danger).

Masks – please bring some with you if you would like to use them. If you have any symptoms of COVID, or feel otherwise unwell, please do not attend any sessions.

Useful Information

Daily Market grocery shop is located in Kambri precinct on campus and open Monday to Friday 08.00 – 22.00, Saturday and Sunday 09.00 – 20.00. More information [here](#).

The Gym and Aquatic Centre managed by Club Lime is open until 9.30 pm. Please visit during the staffed hours to purchase a daily pass (\$10 pool, \$25 pool and gym). First visit is free. More information [here](#).

The ANU campus is well connected via walking and cycle paths to the city centre, Lake Burley Griffin, the [Australian National Botanic Gardens](#) and the [National Museum of Australia](#), which are all within 1 kilometer of the department. Please refer to the [Visit Canberra](#) website for more information.

